

Cleaning of semipermeable **membranes** in filtration units

L20 ANSWER 9 OF 121 HCA COPYRIGHT 2002 ACS FAMILY 4
AN 87:156960 HCA

IN Sano, Takezo; Shimomura, Takatoshi; Sasaki, Masao
PA Sumitomo Chemical Co., Ltd., Japan

SO Japan. Kokai, 3 pp.
CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 52058078	A2	19770513	JP 1975-134314	19751108
AB	A contaminated semipermeable membrane (parallel flow) filter unit (reverse osmosis or ultrafiltration) is regularly flushed in a short period with a high pressure gas to contact the membrane with a gas-liq. mixt., thus removing the contaminated layer. The method is used for any shape of unit. Thus, a tubular cellulose acetate [9004-35-7] membrane filter unit for tap water was used 200 h, then flushed 3 min with N at 35 kg/cm ² . The salt removal was 94.8% initially, 89.7% after 200 h use, and 94.7% after cleaning.				